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exemplary embodiment, the comment template also includes a place for the expert reviewer to sign 410 and date 412 the report.

In the Claims

~~Claim 14~~ is presented as follows in re-written "clean" format.

14. (Amended) The method of claim 13, wherein said determining whether said radioactive material in said radioactive waste container is lumped includes comparing the mass ratio of two gamma energies.

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[Claim 15 is presented as follows in re-written "clean" format.]

15. (Amended) The method of claim 14, wherein said comparing the ratio of said two gamma energies includes:

determining the mass ratio of a 413.71 keV gamma energy to a 129.294 keV gamma energy;

determining that said assay result is not within said predetermined parameter if said ratio is greater than about 2.5.

~~Claim 36~~ is presented as follows in re-written "clean" format.

36. (Amended) The method of claim 1, wherein said determining whether said assay result is within said predetermined parameter includes:

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detecting the presence of a pulser peak;

determining that said assay result is not within said predetermined parameter if said pulser peak is not detected; and

determining that said assay result is not within said predetermined parameter if a total number of counts in said pulser peak is less than a preset fraction of an initial count rate.

Please add the following new claim:

62. (New) The method of claim 11, wherein said determining whether said density of said radioactive waste container is within said predetermined parameter

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